

IN THE CLAIMS:

1. (Currently Amended) A method in a data processing system for examining a three dimensional image, the method comprising:
presenting an object, wherein the object includes a set of views for different angles of view for the object; ~~[[and]]~~
responsive to a user input to traverse a view from the set of views, transcoding a depth map for the view into a non-visual output; and
sending the non-visual output to an assistive technology device.
2. (Original) The method of claim 1 further comprising:
retrieving the depth map from a server.
3. (Original) The method of claim 1 further comprising:
generating the depth map from the view.
4. (Original) The method of claim 1, wherein the set of views is described using an equation and further comprising:
generating the depth map using the equation.
5. (Original) The method of claim 1, wherein the non-visual output is an audio output.
6. (Original) The method of claim 1, wherein the non-visual output is a tactile output.
7. (Original) The method of claim 1, wherein the transcoding step comprises:
transcoding a set of adjacent lines within the depth map.
8. (Currently Amended) A method in a data processing system for presenting a three dimensional object, the method comprising:

presenting options to present different views of the three dimensional object; and
responsive to user inputs, transcoding depth maps for the different views of the
three dimensional object into non-visual outputs to present the different views of the
three dimensional object;

sending means for sending the non-visual output to an assistive technology
device.

9. (Original) The method of claim 8, wherein the depth maps are received from a server.
10. (Original) The method of claim 8, wherein the depth maps are generated at the data processing system using a set of images for the three dimensional object.
11. (Original) The method of claim 8, wherein the depth maps are generated from an equation describing the three dimensional object.
12. (Original) The method of claim 8, wherein the non-visual output is an audio output.
13. (Original) The method of claim 8, wherein the non-visual output is a tactile output.
14. (Currently Amended) A data processing system comprising:
 - a bus system;
 - a communications unit connected to the bus system;
 - a memory connected to the bus system, wherein the memory includes as set of instructions; and
 - a processing unit connected to the bus system, wherein the processing unit executes the set of instructions to present an object, wherein the object includes a set of views for different angles of view for the object; [[and]] transcode a depth map for the

view into a non-visual output in response to a user input to traverse a view from the set of views; and send the non-visual output to an assistive technology device.

15. (Currently Amended) A data processing system comprising:

a bus system;

a communications unit connected to the bus system;

a memory connected to the bus system, wherein the memory includes a set of instructions; and

a processing unit connected to the bus system, wherein the processing unit executes the set of instructions to present options to present different views of the three dimensional object; and transcode depth maps for the different views of the three dimensional object into non-visual outputs to present the different views of the three dimensional object in response to user inputs, and send the non-visual output to an assistive technology device..

16. (Currently Amended) A data processing system for examining a three dimensional image, the data processing system comprising:

presenting means for presenting an object, wherein the object includes a set of views for different angles of view for the object; ~~[[and]]~~

transcoding means, responsive to a user input to traverse a view from the set of views, for transcoding a depth map for the view into a non-visual output; and

sending means for sending the non-visual output to an assistive technology device.

17. (Original) The data processing system of claim 16 further comprising:

retrieving means for retrieving the depth map from a server.

18. (Original) The data processing system of claim 16 further comprising:

generating means for generating the depth map from the view.

19. (Original) The data processing system of claim 16, wherein the set of views is described using an equation and further comprising:
generating the depth map using the equation.
20. (Original) The data processing system of claim 16, wherein the non-visual output is an audio output.
21. (Original) The data processing system of claim 16, wherein the non-visual output is a tactile output.
22. (Original) The data processing system of claim 16, wherein the transcoding means comprises:
means for transcoding a set of adjacent lines within the depth map.
23. (Currently Amended) A data processing system for presenting a three dimensional object, the data processing system comprising:
presenting means for presenting options to present different views of the three dimensional object; and
transcoding means, responsive to user inputs, for transcoding depth maps for the different views of the three dimensional object into non-visual outputs to present the different views of the three dimensional object; and
sending means for sending the non-visual output to an assistive technology device.
24. (Original) The data processing system of claim 23, wherein the depth maps are received from a server.
25. (Original) The data processing system of claim 23, wherein the depth maps are generated at the data processing system using a set of images for the three dimensional object.

26. (Original) The data processing system of claim 23, wherein the depth maps are generated from an equation describing the three dimensional object.
27. (Original) The data processing system of claim 23, wherein the non-visual output is an audio output.
28. (Original) The data processing system of claim 23, wherein the non-visual output is a tactile output.
29. (Currently Amended) A computer program product in a computer readable medium for examining a three dimensional image, the computer program product comprising:
first instructions for presenting an object, wherein the object includes a set of views for different angles of view for the object; ~~[[and]]~~
second instructions, responsive to a user input to traverse a view from the set of views, for transcoding a depth map for the view into a non-visual output; and
third instructions for sending to non-visual output to an assitive technology device.
30. (Currently Amended) The computer program product of claim 29 further comprising:
~~third~~ fourth instructions for retrieving the depth map from a server.
31. (Currently Amended) The computer program product of claim 29 further comprising:
~~third~~ fourth instructions for generating the depth map from the view.
32. (Currently Amended) The computer program product of claim 29, wherein the set of views is described using an equation and further comprising:
~~third~~ fourth instructions for generating the depth map using the equation.

33. (Original) The computer program product of claim 29, wherein the non-visual output is an audio output.

34. (Original) The computer program product of claim 29, wherein the non-visual output is a tactile output.

35. (Original) The computer program product of claim 29, wherein the second instructions comprises:

sub-instructions for transcoding a set of adjacent lines within the depth map.

36. (Currently Amended) A computer program product in a computer readable medium for presenting a three dimensional object, the computer program product comprising:

first instructions for presenting options to present different views of the three dimensional object; and

second instructions, responsive to user inputs, for transcoding depth maps for the different views of the three dimensional object into non-visual outputs to present the different views of the three dimensional object; and

third instructions for sending the non-visual output to an assistive technology device.

37. (Original) The computer program product of claim 36, wherein the depth maps are received from a server.

38. (Original) The computer program product of claim 36, wherein the depth maps are generated at the data processing system using a set of images for the three dimensional object.

39. (Original) The computer program product of claim 36, wherein the depth maps are generated from an equation describing the three dimensional object.

40. (Original) The computer program product of claim 36, wherein the non-visual output is an audio output.

41. (Original) The computer program product of claim 36, wherein the non-visual output is a tactile output.